Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Energy in Ecosystems Vocabulary

*You will go through pages 396 to 419 in the green textbooks to fill in the blanks for the following vocabulary terms.*

1. An **organism** is an \_Individual\_\_\_ living thing.

2. A **population** is a group of the same \_\_\_\_Species\_\_\_ that lives in one \_\_\_\_\_\_\_\_\_\_Area\_\_\_\_\_\_\_\_\_.

3. A **community** is a group of \_\_\_\_\_Different\_\_\_\_ species that lives in one \_\_\_\_Area\_\_\_\_\_\_.

4. An **ecosystem** includes all of the \_\_Organisms\_\_\_ as well as the climate, soil water, rocks, and other \_\_\_\_Non-Living\_\_\_\_ things in a given area.

5. A **biome** is a major regional or \_Global\_\_\_\_ community of organisms. Biomes are usually categorized by the \_\_\_Climate\_\_\_\_\_ conditions and \_Plant\_\_\_\_\_\_\_\_\_\_\_ communities that thrive there.

6. **Biotic** factors are \_\_\_\_\_\_Living\_\_\_\_\_ things, such as plants animals, fungi, and bacteria. Each organism plays a particular role in the \_\_\_\_\_\_\_\_\_\_Ecosystem\_\_\_\_\_\_\_.

7. **Abiotic** factors are \_\_Non-Living\_\_\_ things, such as moisture, temperature, wind, sunlight, and soil. The balance of these factors determines which \_\_\_Living\_\_ things can survive in a particular \_\_\_Environment\_\_\_\_\_\_\_\_.

8. **Trophic** **levels** are the levels of nourishment within a food chain

Primary consumers eat \_Producers\_\_\_\_.

Secondary consumers eat \_\_ Primary \_\_\_\_ consumers.

Tertiary consumers eat \_\_\_Secondary\_\_\_\_\_\_ consumers.

9. **Producers** are organisms that make their own \_\_\_\_\_\_Food\_\_\_\_\_\_.

10. **Consumers** are organisms that get their energy by eating other \_\_\_Living\_\_\_\_\_\_ things, such as plants and animals.

11. A **food** **chain** is a sequence that links species by their \_\_Feeding\_\_\_\_\_ relationships. It only follows the connection between one producer and a single chain of consumers within an ecosystem.

12. **Herbivores** are organisms that eat only \_\_\_Plants\_\_\_\_\_\_.

13. **Carnivores** are organisms that eat only \_\_\_\_\_\_\_\_Animals\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

14. **Omnivores** are organisms that eat both \_\_\_\_\_\_\_ Plants \_\_\_\_\_\_\_ and \_\_\_\_ Animals \_\_\_\_.

15. **Decomposers** are organism that break down \_\_\_DEAD\_\_\_\_ organic matter and return \_\_\_Vital Nutrients\_\_\_\_\_ back to the soil.

16. A **food** **web** is a model that shows the complex network of \_ Feeding\_\_\_\_\_ relationships and the flow of \_\_\_\_Energy\_\_\_\_ within an ecosystem.

17. An **energy** **pyramid** is a diagram that compares \_\_\_\_\_\_\_Energy \_\_\_\_\_\_ used by producers, primary consumers, and other trophic levels.